Fig. 1

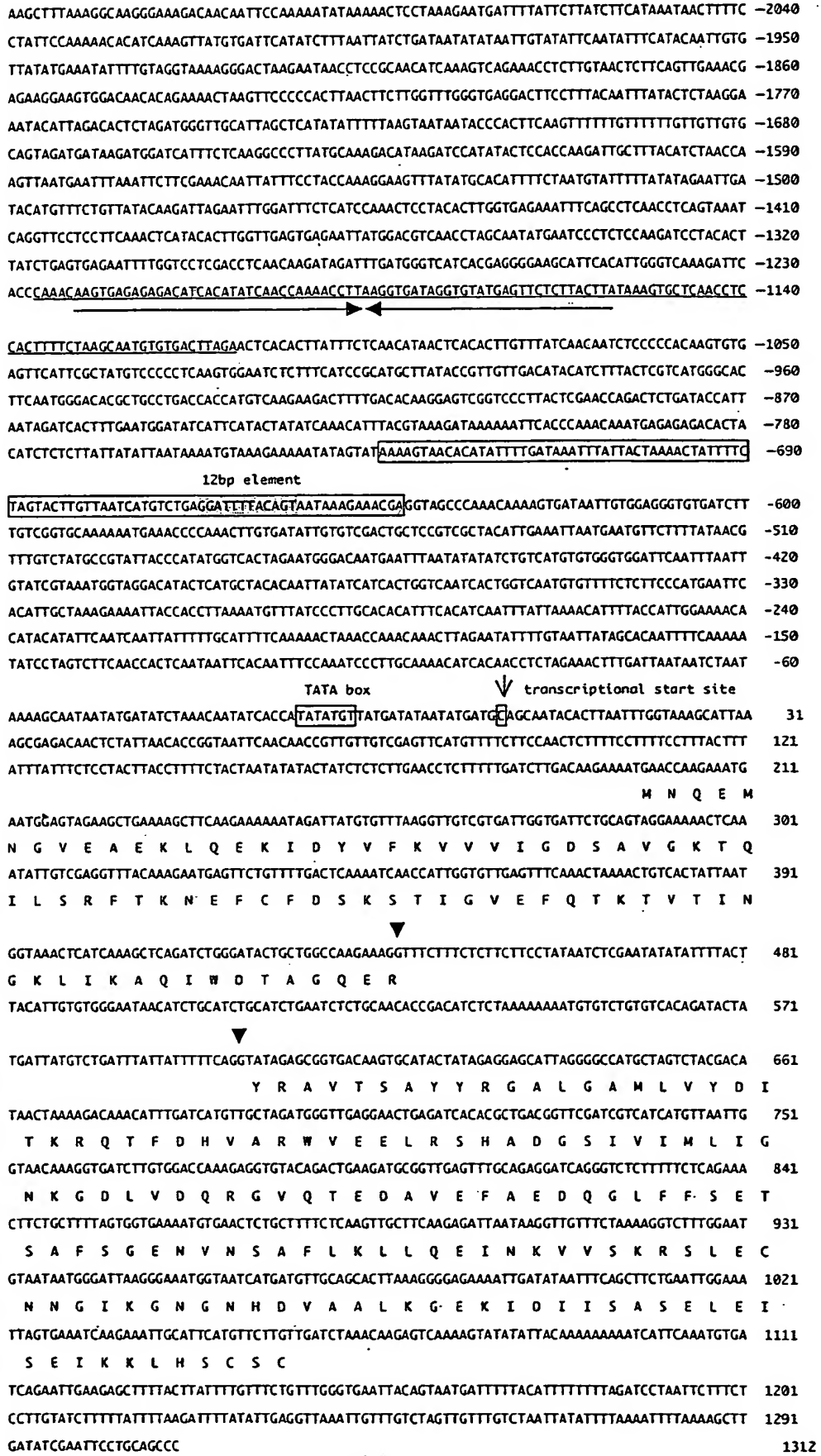
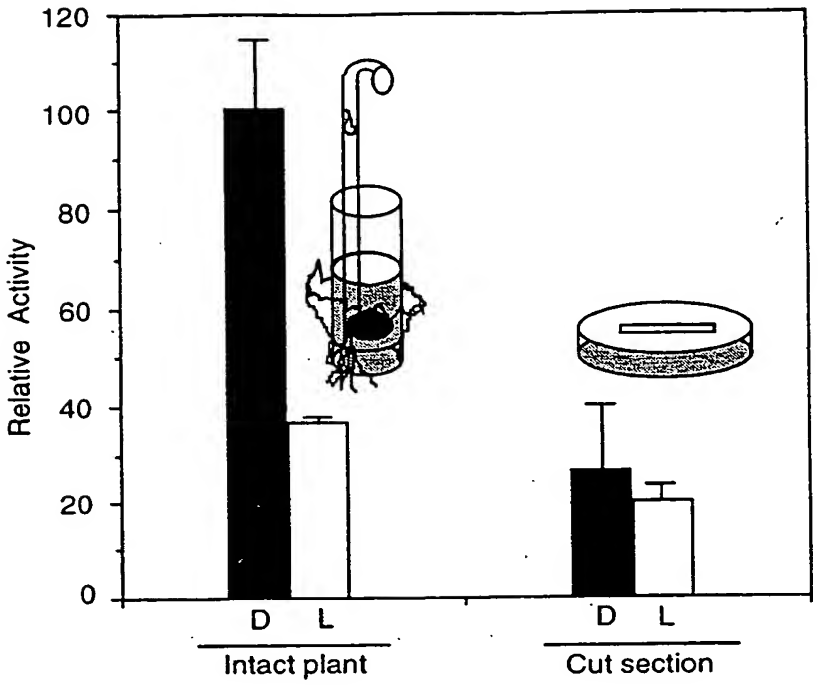


Fig. 2

a)



b)

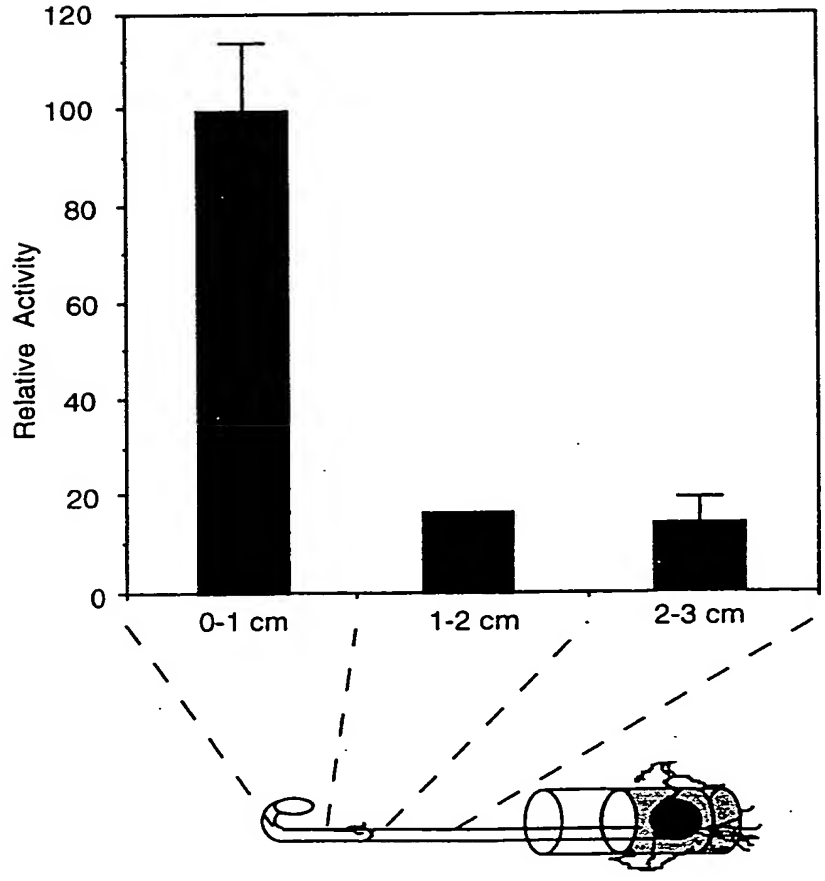
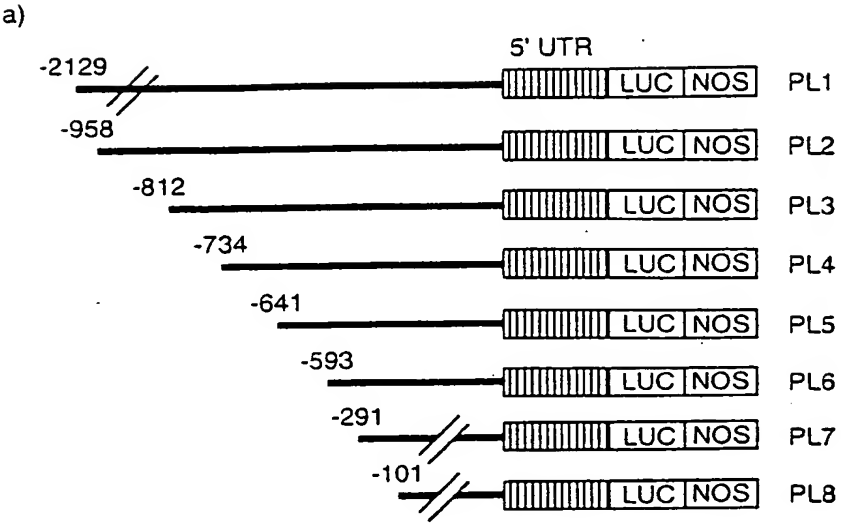
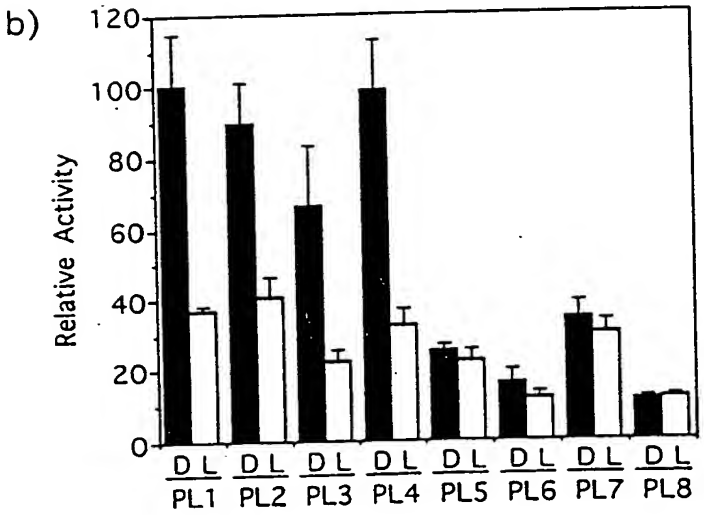


Fig. 3





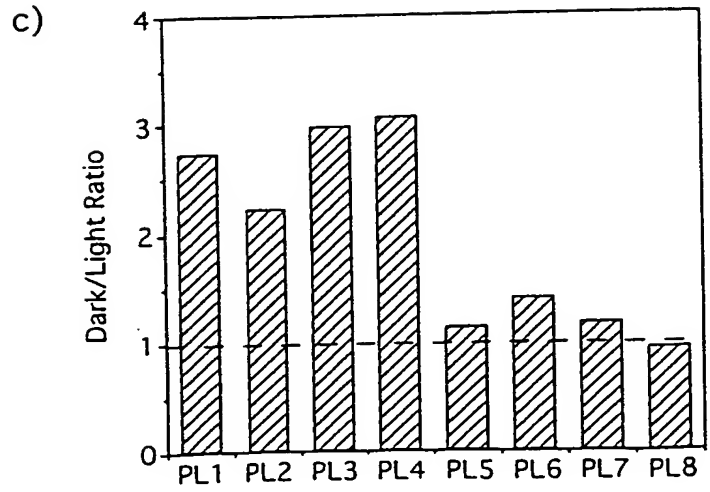
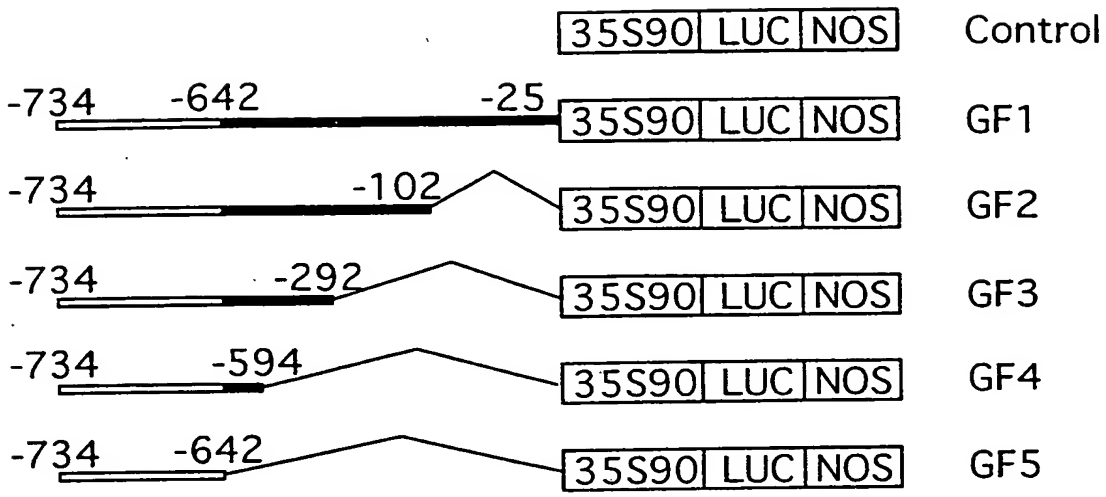


Fig. 4

a)


35S90 LUC NOS
Control
-734
-642
-25
35S90 LUC NOS
GF1
-734
-102
35S90 LUC NOS
GF2
-734
-292
35S90 LUC NOS
GF3
-734
-594
35S90 LUC NOS
GF4
-734
-642
35S90 LUC NOS
GF5

b)

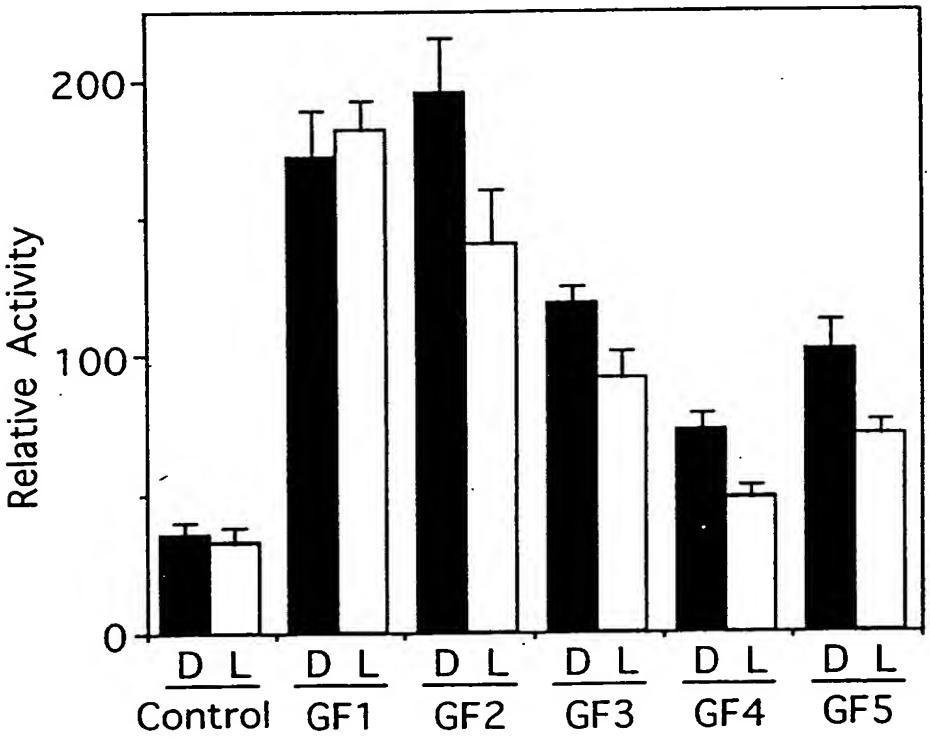
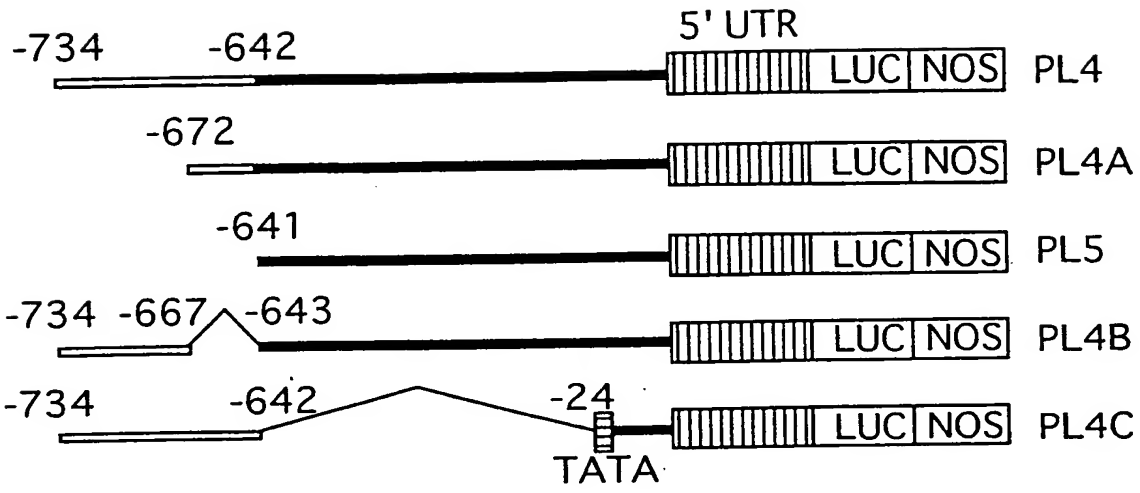

Relative Activity
200
100
0
D L
Control
GF1
GF2
GF3
GF4
GF5

Fig. 5

a)


5' UTR
-734
-642
LUC
NOS
PL4
-672
PL4A
-641
PL5
-667
-643
PL4B
-24
PL4C
TATA

b)

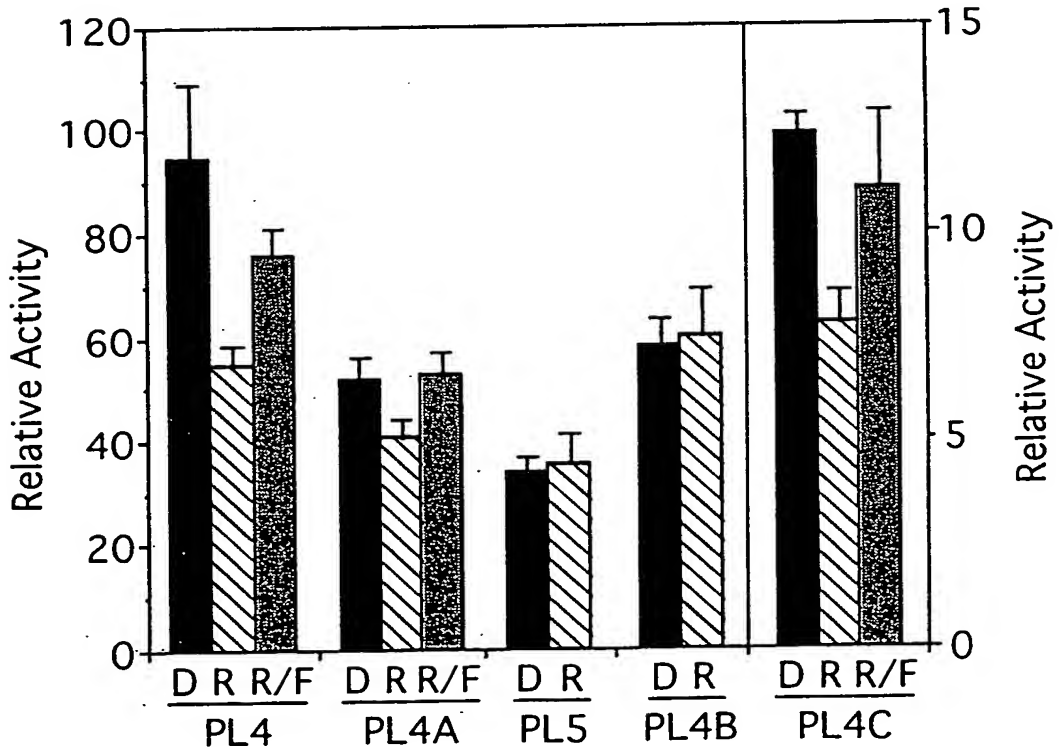

120
100
80
60
40
20
0
15
10
5
0
Relative Activity
Relative Activity
D R R/F
PL4
D R R/F
PL4A
D R
PL5
D R
PL4B
D R R/F
PL4C

Fig. 6

a)


-672
12bp element
-642
GTCTGAGGATTTTACAGTAATAAAGAAACGA WT
cTgcagGGATTTTACAGTAATAAAGAAACGA LS1
GTCTGActgcagTACAGTAATAAAGAAACGA LS2
GTCTGAGGATTTctgcagAATAAAGAAACGA LS3
GTCTGAGGATTTTACAGTctgcAgGAAACGA LS4
GTCTGAGGATTTTACAGTAATAAActgcaGA LS5

b)

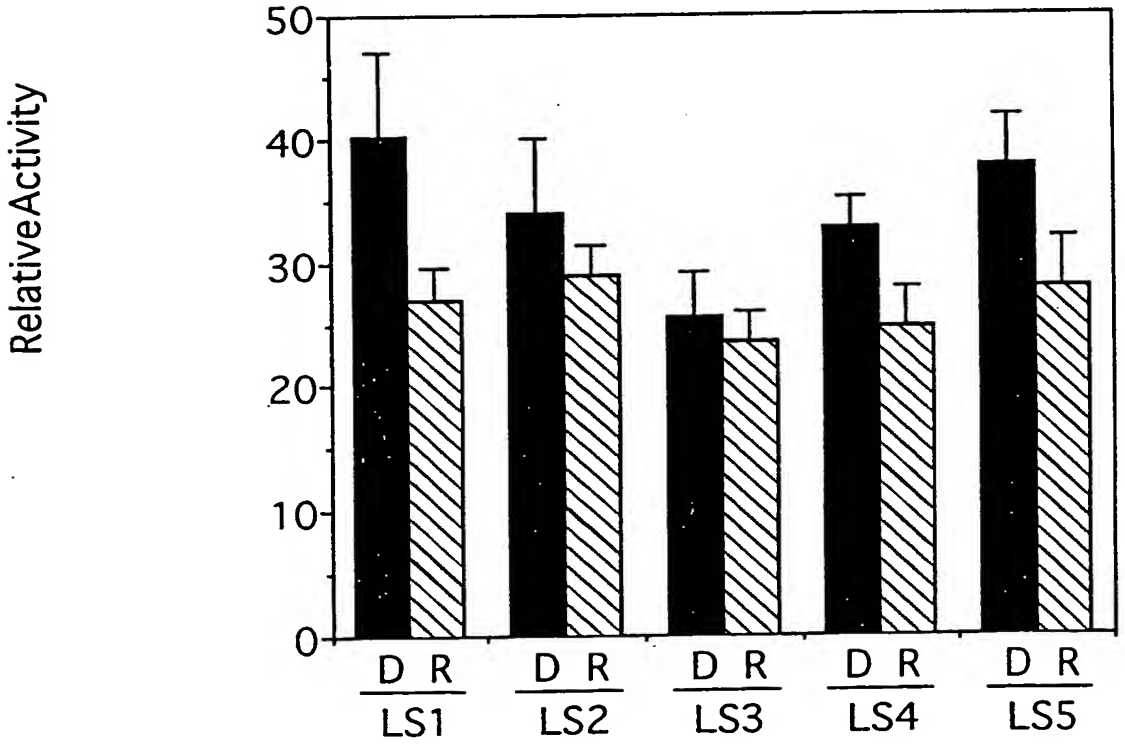
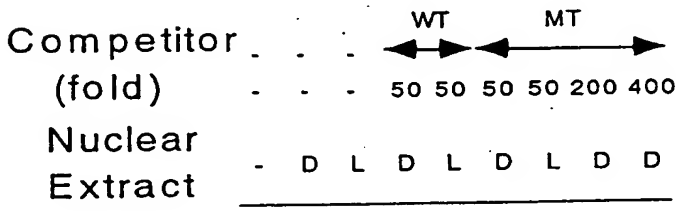

Relative Activity
50
40
30
20
10
0
D R
LS1
D R
LS2
D R
LS3
D R
LS4
D R
LS5

Fig. 7

a)


-672
12 bp element
-642
GTCTGAGGATTTTACAGTAATAAAGAAACGA
WT **********************************
CAGACTCCTAAAATGTCATTATTTCTTTGCT
GTCTGAGGcTTTTcCcGTAATAAAGAAACGA
MT ******** **** * **********
CAGACTCCgAAAAgGgCATTATTTCTTTGCT

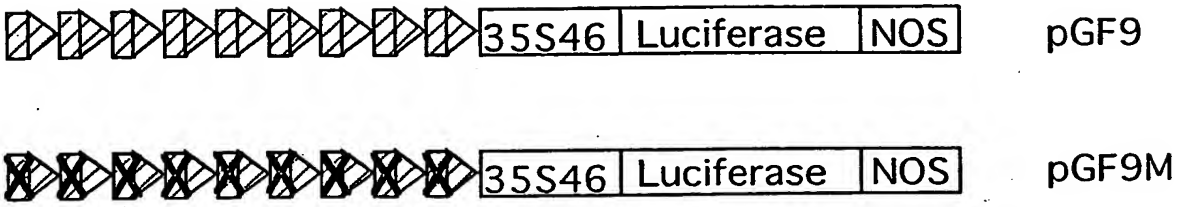
b)


Competitor
WT
MT
(fold)
- - - 50 50 50 50 200 400
Nuclear Extract
- D L D L D L D D


Lane No. 1 2 3 4 5 6 7 8 9

Fig. 8

a)



b)